Nokia Customer Care
RH-47 Series Cellular Phones

1 – General Information

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Product Selection

Hand portables

The RH-47 transceiver family belongs to the "N-Gage" compatible gaming devices. Target markets are countries with GSM850 and GSM1900 networks. The commercial sales name is “N-Gage QD”.

Figure 1: View of RH-47

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Product Key Features

Display and keypad

- Large, high resolution, active matrix colour display (176x208 pixels) with 4096 colours
- Games optimized rocker key plus select key on left side of display
- Numeric keypad and highlighted game action buttons on the right side

Hardware characteristics

- Monoblock with Xpress-on™ covers
- Dual-band GSM 850 and 1900

Band	Tx	Rx
GSM 850	824 to 849 MHz	869 to 894 MHz
PSC 1900	1850 to 1910 MHz	1930 to 1990 MHz

- Internal antenna
- 4 MB internal user memory
- External memory (3V MMC) up to 256MB
- Bluetooth connectivity. BT Standard V1.1 with the following supported profiles: generic access, serial port, dial-up networking, fax, generic object exchange, object push, file transfer and handsfree
- Hot Swap MMC card reader
- Internal vibra
- Integrated handsfree speaker
- Small SIM (1.8 and 3.0V)
- Real time clock (NITZ), world clock
- Speech codecs: FR, EFR and AMR
- Data support: GPRS (2+2, 3+1, class B)

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UI features

- Nokia series 60 UI enables application multitasking
- Real One Player: play video clips streaming (.RV and.RA) & locally (.3GP)
- Multimedia messaging, release 99 (send, receive and forward)
- XHTML browser with I-Mode extensions
- Java MIDP 1.0
- E-mail (SMTP, IMAP4 and POP3)
- Picture messaging
- Concatenated SMS (MO/MT)
- Polyphonic (128 instruments, 24 polyphonics), WAV and traditional ringing tones
- Ringing tone composer
- Voice dialling
- SyncML (OTA)
- DRM1s (forward lock)
- COD
- T9 predictive text input
- MS supported E-OTD
- Cell broadcast
- CPHS spec. (version 4.2)
- GSM phase 2+ features
- Symbian OS: Pearl 6.1

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Power management

Battery	Capacity	Nokia Gaming	ECTEL Talk time	ECTEL Stand-by
BL-6C	1070mAh	6-7hrs	3.6hrs	250hrs

Figures mentioned above are approximate and depend on circumstances.

Mechanical dimensions

Units	Dimension (W x H x D)	Weight Typ.	Volume
Transceiver	117.8mm x 68.5mm x 25.5mm	139g	124cc

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General Specifications of Transceiver RH-47

Parameter	Unit
Cellular system	GSM850, GSM1900
RX frequency band	GSM850: 869 -894 MHz
	GSM1900: 1930 - 1990 MHz
TX frequency band	GSM850: 824 - 849 MHz
	GSM1900: 1850 - 1910 MHz
Output power	GSM850: +5...+33 dBm/3.2 mW...2W
	GSM1900: +0...+30 dBm/1.0mW...1W:
Number of RF channels	GSM850: 124
	GSM1900: 300
Channel spacing	200 kHz
Number of TX power levels	GSM850: 15
	GSM1900: 16

Environmental conditions

Environmental condition	Ambient temperature	Notes
Normal operation	-10°C...+55°C	Specifications fulfilled
Reduced performance	+55 C...+65 C	Operational only for short periods
Intermittent operation	-20 C...-10 C and +65 C...+85 C	Operation not guaranteed but an attempt to operate does not damage the phone.
No operation	-40 C...-20 C	Operation not guaranteed but an attempt to operate does not damage the phone.
No operation or storage	<-40 C and > +85 C	No storage; an attempt to operate may cause permanent damage.
Charging allowed	-25 C...+60 C	
Long term storage conditions	0 C...+40 C	

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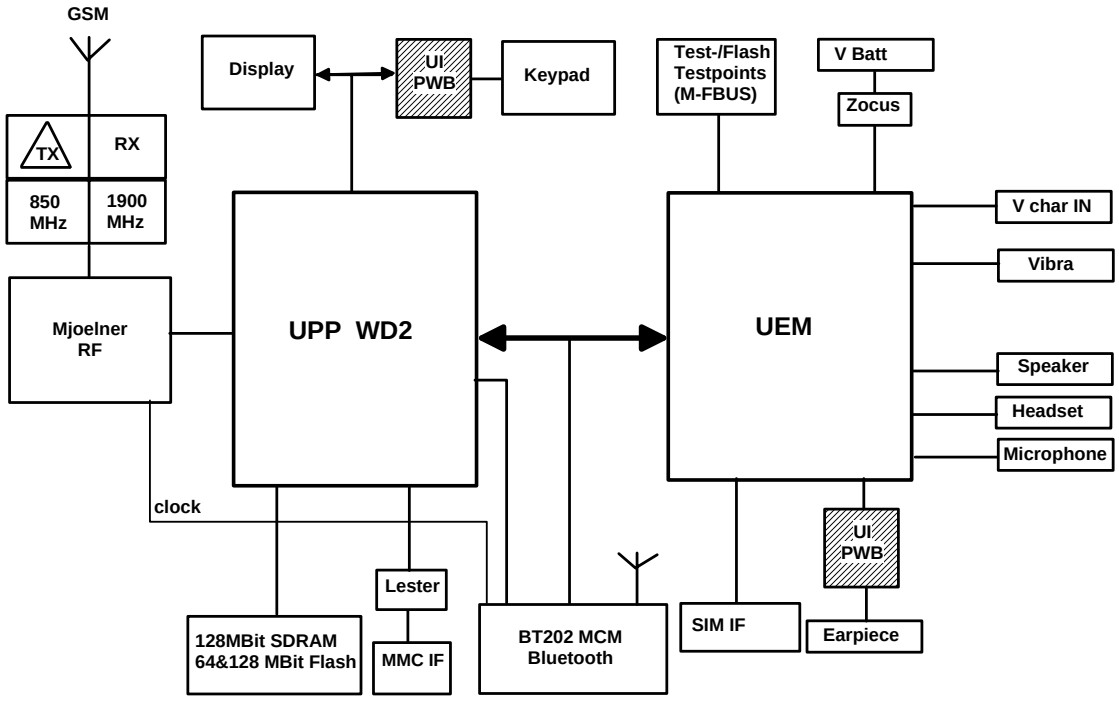
Product System Overview



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Accessories

Accessory, unit/type	Type designator	Product code
Battery, Li-Ion	BL-6C	0670461
Chargers, unit/type		
Fast travel charger	ACP-12	0675303
Mobile charger	LCH-12	0675328
Other accessories, unit/type		
Dual mono headset	HS-7	0694228
Wireless BT headset	HS-4W	0694159
Wireless BT headset	HS-3W	0694161
Headset kit	HDC-5	0694081
Mobile inductive loopset	LPS-3	0630244
Car accessories, unit/type		
Wireless bluetooth car kit, US	CK-1W	0080785
Plug-in HF car kit	PPH-1	0675182
Headrest handsfree, US	BHF-2	0080762
Connectivity, unit/type		
Memory card 64MB, US	DTS-64	0273524
PC suite software	Software CD	0840202
Teletype (TTY) adapter	HDA-9	0694116

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